



NOTES:

- Dimensions are in inches.
 - Metric equivalents are given for general information only.
 - Unless otherwise specified, tolerance is $\pm .020$ (0.51 mm) for two place decimals and $\pm .005$ (0.13 mm) for three place decimals.
 - For hardware detail specifications, see appendix of MIL-S-83731.
 - Configuration of switch case is optional provided maximum dimensions specified are not exceeded.

Inches	mm	Inches	mm	Inches	mm	Inches	mm
.004	0.10	.072	1.83	.478	10.87	.575	14.61
.030	0.76	.090	2.29	.469	11.91	.740	18.80
.04	1.02	.10	2.54	.47	11.94	1.160	29.46
.062	1.57	.175	4.45	.51	12.95		
.07	1.78	.27	6.83	.535	13.59		

DETAIL REQUIREMENTS

CANCELED MS PART NUMBER 1/	SUBSTITUTE MS PART NUMBER 1/	CIRCUITS MADE WITH TOGGLE LEVER IN KEYING					OPPOSITE KEYING SIDE 12-3 5-6
		SIDE 11-2 4-5	CENTER POSITION				
MS27753-1	MS27753-34	ON	2-3	ON	4-5	ON	
-2	-35	NON-ON	2-3	ON	4-5	ON	
-3	-36	NON-ON	2-3	ON	4-5	NON-ON	
-4	-38	ON	1-2	ON	5-6	ON	
-5	-39	NON-ON	1-2	ON	5-6	ON	
-6	-40	NON-ON	1-2	ON	5-6	NON-ON	

1/ The canceled part numbers are no longer procurable; the substitute part numbers have a lower dielectric withstandng voltage at reduced barometric pressure (see 2 below).

NOTES.

- NOTES:**

 1. All switches on this standard are designed so that the movement of the switch mechanism is opposite to that of the toggle lever.
 2. Test voltage for dielectric withstanding voltage at reduced barometric pressure, shall be 400 V rms minimum.
 3. Electrical endurance shall be performed for 30,000 cycles.
 4. Mechanical endurance shall be performed 50,000 cycles at -65°C and then 50,000 cycles at 85°C.
 5. Intermediate current shall be performed for 30,000 cycles.
 6. Terminals shall be molded into the switch case and shall accommodate no. 18 awg wire.
 - (E) 7. Maximum weight shall be .025 lb.
 8. Electrical ratings for 28 volts dc and 115 volts ac at 400 Hz.
Lamp load = 1 ampere, resistive load = 5 amperes, inductive load = 2 amperes.
 9. In the event of a conflict between the text of this standard and the reference cited herein, the text of this standard shall take precedence.
 10. Referenced Government documents of the issue listed in that issue of the Department of Defense Index of Specifications and Standards (DISISS) specified in the solicitation form, a part of this standard, to the extent specified herein.

(E) denotes changes

PREPARING ACTIVITY CUSTODIANS ARMY - ER NAVY AS AIR FORCE ULA	TITLE	MILITARY SPECIFICATION SHEET	SPECIFICATION SHEET NUMBER
		SWITCH, TOGGLE, MINIATURE DOUBLE POLE, TOGGLE SEAL	MS277S3E 18 Jun 1944
REVIEW Army-AV, LA Air Force-11,99 USER Navy-EC ULA-LS		SUPERSEDING MS277S3D 20 May 1944	
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